#### **VOLUME CONTENTS**

# Volume 31 Number 1 1993

#### ORIGINAL ARTICLES

- Characterization of two monoclonal antibodies against secretory proteinase of Candida tropicalis DSM 4238, M. Borg-Von Zepelin & V. Grüness 1
- The role of the complement system in the neutrophil functions stimulated *in vitro* by an alkali-insoluble cell wall fraction of *Paracoccidioides brasiliensis*, L. S. Pereira Crott, Y. M. Lucisano Valim, C. L. Silva & J. E. Barbosa 17
- Evaluation of cation exchange chromatography for the isolation of M glycoprotein from histoplasmin, R. M. Zancopé-Oliveira, S. L. Bragg, S. F. Hurst, J. M. Peralta & E. Reiss 29
- Calcium stimulates molecular and cellular events during the yeast-to-mycelium transition in Sporothrix schenckii, N. Rodríguez-del Valle & J. R. Rodríguez-Medina 43
- Conditions affecting the adherence of Crytococcus neoformans to rat glial and lung cells in vitro, G. J. Merkel & B. A. Scofield 55
- Detection and differentiation of fungi in clinical specimens using polymerase chain reaction (PCR) amplification and restriction enzyme analysis, R. L. Hopfer, P. Walden, S. Setterquist & W. E. Highsmith Jr. 65
- Lipase of Malassezia furfur: some properties and their relationship to cell growth, Y. Ran, T. Yoshiike & H. Ogawa 77

## CASE REPORTS

- Cryptococcosis produced by a urease negative strain of Cryptococcus neoformans, A. J. Bava, R. Negroni & M. Bianchi 87
- Disseminated adiaspiromycosis in a patient with AIDS, E. Echavarria, E. L. Cano & A. Restrepo 91

## REVIEW ARTICLE

Paracoccidioidomycosis and its etiologic agent Paracoccidioides brasiliensis, G. San-Blas 99

## ORIGINAL ARTICLES

- Defective phagocytosis in chronic trichophytosis, T. Gregurek-Novak, S. Rabatic & V. Silobrčić 115
- Humoral and cellular immune responses to *Microsporum canis* in naturally occurring feline dermatophytosis, *D. J. DeBoer & K. A. Moriello* 121
- Effect of ajoene on dimorphism of Paracoccidioides brasiliensis, G. San-Blas, L. Mariño, F. San-Blas & R. Apitz-Castro 133
- Mucosal and disseminated candidiasis in gnotobiotic SCID mice, E. Balish, J. Jensen, T. Warner, J. Brekke & B. Leonard 143
- Diagnosis of paracoccidioidomycosis by passive haemagglutination assay of antibody using a purified and specific antigen-gp43, C. P. Taborda & Z. P. Camargo 155

#### SHORT COMMUNICATIONS

- Antimycotic susceptibility testing of agents of black grain eumycetoma, P. V. Venugopal, T. V. Venugopal, E. S. Ramakrishna & S. Ilavarasi 161
- Cryptococcus neoformans var. gattii in India, A. A. Padhye, A. Chakrabarti, J. Chander & L. Kaufman 165
- A preliminary study of *in vitro* antibiotic activity of saperconazole and other azoles on *Paracoccidioides brasiliensis*, G. San-Blas, A. M. Calcagno & F. San-Blas 169
- Uncommon invasive fungal pathogens in the acquired immunodeficiency syndrome, J. R. Perfect, W. A. Schell & M. G. Rinaldi 175

# Volume 31 Number 3 1993

## **ORIGINAL ARTICLES**

- Histoplasma capsulatum and V mice: cellular immune responses and susceptibility patterns, G. S. Deepe 181
- Differential binding of acapsulate and encapsulated strains of Cryptococcus neoformans to human neutrophils, M. D. Richardson, L. J. White, I. C. McKay & G. S. Shankland 189
- An improved culture medium for detecting live yeast phase cells of Paracoccidioides brasiliensis, N. Kurita, A. Sano, K. I. R. Coelho, K. Takeo, K. Nishimura & M. Miyaji 201
- Efficacy evaluation of a novel submicron amphotericin B emulsion in murine candidiasis, M. Y. Levy, I. Polacheck, Y. Barenholz & S. Benita 207
- Qualitative and quantitative differences in recognition patterns of *Candida albicans* protein and polysaccharide antigens by human sera, F. L. Hernando, J. C. Cailliez, P. A. Trinel, C. Faille, D. W. R. Mackenzie & D. Poulain 219
- Identification of Candida albicans cell wall antigens lost during subculture in synthetic media, F. L. Hernando, J. J. Estevez, M. Cebrian, D. Poulain & J. Ponton 227
- SCH 39304, a new antifungal agent: oral and topical treatment of vaginal and superficial infections, R. M. Parmegiani, D. Loebenberg, A. Cacciapuoti, B. Antonacci, C. Norris, F. Menzel, L. Moss, T. Yarosh-Tomaine, R. S. Hare & G. H. Miller 239

#### CASE REPORT

Placental involvement in paracoccidioidomycosis, M. H. S. L. Blotta, A. M. Altemani, E. Amaral, L. J. Silva & Z. P. Camargo 249

#### SHORT COMMUNICATION

Fluconazole in patients at risk from invasive aspergillosis, R. Kappe, K. J. Osterziel, R. Ruchel & S. Siehl 259

BOOK REVIEW 263

#### **VOLUME CONTENTS**

# Volume 31 Number 4 1993

## REVIEW ARTICLE

Malassezia furfur, E. Ingham & A. C. Cunningham 265

## ORIGINAL ARTICLES

- Morphotypes of oral isolates of *Candida albicans* from patients infected with the human immunodeficiency virus, A. J. Oliver & P. C. Reade 289
- Detection of proteolytic enzymes released by the dimorphic fungus *Paracoccidioides*brasiliensis, V. I. Bedoya-Escobar, M. S. Naranjo-Mesa & A. Restrepo-Moreno 299
- Effects of terbinafine exposure on the ultrastructure of *Trichophyton interdigitale*, A. Rashid, E. M. Scott & M. D. Richardson 305
- Effect of tissue invasion and treatment with itraconazole or amphotericin B on galactomannan levels in plasma of guinea-pigs with experimental invasive aspergillosis, J. van Cutsem, L. Meulemans, F. van Gerven & D. Stynen 315
- Phaeohyphomycosis of the brain caused by *Ramichloridium mackenziei* sp. nov. in Middle Eastern Countries, C. K. Campbell & S. S. A. Al-Hedaithy 325

## CASE REPORT

Isolation of Trichophyton yaoundei in India, B. M. Hemashettar, C. S. Patil, V. V. Yenni, P. R. Malur & C. K. Campbell 333

# SHORT COMMUNICATIONS

Pichia anomala killer toxin secretion in the presence of tunicamycin, J. C. Cailliez, C. Cantelli, S. Conti, M. Gerloni, W. Magliani, G. Morace & L. Polonelli 337

Exophiala jeanselmei, a pathogen of earthworm species, N. G. Vakili 343

#### VOLUME CONTENTS

# Volume 31 Number 5 1993

## ORIGINAL ARTICLES

- Antigenic relationships between *Paracoccidioides brasiliensis* isolated from faeces of a penguin and a human isolate of *P. brasiliensis*, *Z. P. Camargo* & *C. P. Taborda* 347
- Detection of Candida albicans DNA in cerebrospinal fluid, Y. Sugita, I. Kanaizuka, H. Nakajima, M. Ibe, S. Yokota & S. Matsuyama 353
- Seasonality of rodent adiasporomycosis in a lowland forest, Z. Hubálek, J. Zejda, Š. Svobodová & J. Kučera 359
- Flow cytometric analysis of germ tube formation in Candida albicans, M. E. Lynch, M. Kukuruga, A. Nakeef, P. L. Fidel & J. D. Sobel 367
- The uptake of amino acids by erg mutants of Candida albicans, S. Ansari, P. Gupta, S. K. Mahanty & R. Prasad 377
- Comparison of a liposomal amphotericin B formulation (AmBisome) and deoxycholate amphotericin B (Fungizone) for the treatment of murine paracoccidioidomycosis, K. V. Clemons & D. A. Stevens 387

## CASE REPORT

Cryptococcus neoformans var. gattii meningitis in an Australian patient with AIDS, B. R. Speed, L. Strawbridge & D. H. Ellis 395

# SHORT COMMUNICATIONS

- Serotypes of Australian environmental and clinical isolates of *Cryptococcus neoformans*, T. J. Pfeiffer & D. H. Ellis 401
- Methods for phospholipid extraction in *Candida albicans*: an extraction method with high efficacy, *F. Mirbod, S. Mori & Y. Nozawa* 405

#### **ORIGINAL ARTICLES**

- Course of the experimental murine infection induced by Sporothrix schenckii conidia according to depth of inoculation, S. Restrepo-Gutierrez, M. Arango-Arteaga, F. Uribe-Jaramillo, A. I. Zuluaga-Cadena & A. Restrepo-Moreno 411
- Localization of  $\beta$ -glucan synthetase in membranes of Paracoccidioides brasiliensis, F. Sorais-Landaez & G. San-Blas 421
- Effect of trifluoperazine on growth, morphogenesis and pathogenicity of Candida albicans, A. D. B. Buchan, V. A. Kelly, O. S. Kinsman, G. W. Gooday & N. A. R. Gow 427
- Long-term follow-up of otomycosis and its treatment with bifonazole, A. Del Palacio, M. J. Lopez-Suso, M. K. Moore, M. S. Cuetara, C. Garcia-La Calle & A. R. Noriega 435
- Isolation of both varieties of Cryptococcus neoformans from saprophytic sources in the city of Rio de Janeiro, Brazil, M. S. Lazera, B. Wanke & M. M. Nishikawa 449

#### SHORT COMMUNICATIONS

- Temperature-dependent expression of elastase in Aspergillus species, D. W. Denning, J. Elliott & M. Keanev 455
- Skin inflammation in chronic dermatophyte infections caused by *Trichophyton rubrum* lack of epidermal expression of ICAM-1, *R. C. Schechtman, M. H. Allen, J. H. McGregor & R. H. Hay* 459
- PCR fingerprinting Cryptococcus neoformans by random amplification of polymorphic DNA, A. C. Crampin, R. C. Matthews, D. Hall & E. G. V. Evans 463

ACKNOWLEDGEMENTS 466

**AUTHOR INDEX** 467

SUBJECT INDEX 471

